

AMENDMENT TO THE CLAIMS:

1. (Currently Amended) Mixer for mixing at least two flows of gas or other Newtonian liquids, comprising:

a main flow channel through which a first flow of gas passes; and

an incorporated surface arranged in the main flow channel which affects the first flow, the incorporated surface having leading edges that are orientated against the first flow and around which the first flow can move freely, the leading edge having components that act in a main direction of flow of the gas as well as transversely thereto,

wherein the incorporated surface has a chamber which is connected with a separate flow channel for a second flow of gas for routing the second flow of gas through the flow channel into the chamber, the chamber having a bigger cross-section than the separate flow channel, and

wherein said chamber being provided with outlet openings of the second flow of gas into the first flow of gas, and

wherein the outlet openings are provided on a rear side of the incorporated structure, that faces away from an inflow of the first flow of gas.

2. (Previously Amended) Mixer as defined in Claim 1, wherein an opening of the second flow of gas into the first flow of gas is located at a front half of the incorporated surface.

3. (Previously Amended) Mixer as defined in Claim 1, wherein the chamber includes side walls arranged at an angle to the incorporated surface which stiffen said incorporated surface against bending loads.

4. (Previously Amended) Mixer as defined in Claim 1 wherein the separate flow channel is routed to the incorporated surface on a front side thereof.

5. (Previously Amended) Mixer as defined in Claim 1 wherein the incorporated surface is supported in the main flow channel by struts.

6. (Previously Amended) Mixer as defined in Claim 1, further comprising a device to adjust an angle of the incorporated surface relative to the main direction of flow.

7. (Previously Amended) Mixer as defined in Claim 1, wherein the outlet openings from separate chambers are arranged one behind the other.

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8. (Previously Added) Mixer as defined in Claim 1, wherein the incorporated surface is a vortex-generating disc.

9. (Previously Added) Mixer as defined in Claim 5 wherein one of the struts is tubular and forms the separate flow channel.

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